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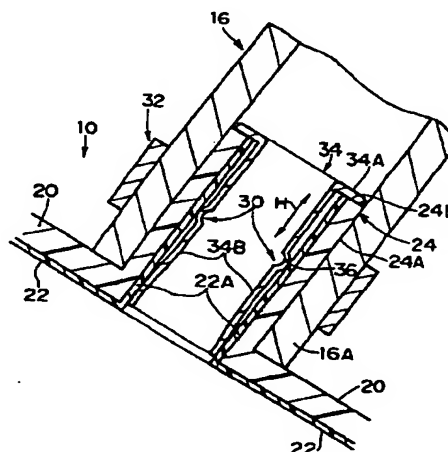
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**(54) Hollow resin container**

(57) In a hollow resin container, a seal portion is formed substantially at a center of a portion at which an inlet hose (16) and a part attachment portion (24) of a resin layer are overlapped. A gas barrier sheet (22) extends to a region further toward an outer side of the hollow resin container than the seal portion (30). Accordingly, there is no region of the inner side surface of the part attachment portion (24) which is not covered by the gas barrier sheet (22). Thus, sealability at the part attachment portion (24), which serves as a portion for attaching the inlet hose (16), can improve.

FIG. 1



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## EUROPEAN SEARCH REPORT

Application Number

DOCUMENTS CONSIDERED TO BE RELEVANT			EP 98309361.8
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 6)
A	<u>EP 0504558 A2</u> (RHEIN-BONAR KUNSTSTOFF- -TECHNIK GMBH) 23 September 1992, abstract, fig. 1. ---	1	B60K15/073 B60K15/03 B60K15/04
A	<u>EP 0288587 A</u> (RHEIN-CONTI KUNSTSTOFF- TECHNIK GMBH) 02 November 1988, abstract, fig.. ---	1	
A	<u>US 4336291 A</u> (BROADHURST ET AL.) 22 June 1982, abstract. ----	1	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl. 6)  B60K
Place of search VIENNA		Date of completion of the search 07-12-1999	Examiner HENGL
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO. EP 98309361.8

This annex lists the patent family members relating to the patent documents cited in the above-mentioned search report.  
The members are as contained in the EPIQOS INPADOC file on 10.12.1999.  
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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP A2 504558	23-09-1992	DE U1 9103228 EP A3 504558	18-07-1991 10-02-1993
EP A1 288587	02-11-1988	AT E 53545 DE CO 3763165 EP B1 288587	15-06-1990 19-07-1990 13-06-1990
US A 4336291	22-06-1982	AU A1 42392/78 NL A 7812202 AU B2 520847 CA A1 1141685 DE A1 2853784 FR A1 2462294 FR B1 2462294 GB A1 2048163 GB B2 2048163 IT A0 7830475 IT A 1202805 SE A 7812766	16-10-1980 31-10-1980 04-03-1982 22-02-1983 02-09-1983 13-02-1984 03-05-1984 10-12-1980 19-05-1982 04-12-1978 09-02-1989 16-06-1979

For more details about this annex see Official Journal of the European Patent Office, No. 12/82.